NJDOT Bureau of Research
QUARTERLY PROGRESS REPORT

Project Title:	Identification of Traffic Control Devices for Mobile and Short Duration Work Operations
RFP NUMBER: Project 2003-27	NJDOT RESEARCH PROJECT MANAGER: Ed Kondrath
TASK ORDER NUMBER:: RFCUNY 23-01	PRINCIPAL INVESTIGATOR: Robert E. Paaswell, Ph.D.
Project Starting Date: 01/01/04 **Original** Project Ending Date: 12/31/04 **Modified Completion Date: 8/30/05**	Period Starting Date: 7/01/05 Period Ending Date: 9/30/05

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search	25%	100%	100%	25%
Task 1: Develop methodology and criteria for evaluating devices	12%	100%	100%	12%
Task 2: Analyze NJDOT practices for work zone operations	8%	100%	100%	8%
Task 3: Identify guidelines to eliminate driver inattentiveness	5%	50%	100%	5%
Task 4: Identify alternative techniques for traffic control	4%	0%	100%	4%
Task 5: Prepare guidelines	2%	0%	100%	2%
Task 6 (Mod): SHRP Presentation	10%	2%	2%	2%
Final Report and Implementation	34%	40%	50%	17%
TOTAL	100%			75%

Project Objectives:
The overall objective of this research project is to study mobile work zone safety with particular attention to the identification of work zone safety devices, information systems for the reduction of safety and congestion, and implementation of innovative techniques to reduce delays and crashes due to work zones. The specific objectives are to:

- Provide improvements for maximum protection of the motoring public and workers in the work zone and in the set up of the work zone,
- Identify state-of-the art work zone technologies to improve worker safety in mobile work zone and short term maintenance operations,
- Identify information systems for work zone traffic control to reduce delays and crashes,
- Meet the current standards established by internal policies of the NJDOT,
- Identify “best practices” for the use of law enforcement to improve work zone safety,
- Identify key issues to be considered from public outreach and information systems.

Project Abstract:
This research will include the identification of potential technologies and information systems, evaluation of the identified devices and systems with appropriate maintenance yards and crews, and the parathion of specifications and Baseline Document Change papers for adoption by the NJDOT. Potential technologies and information systems will be identified from the NJDOT New Technologies and Products database of approved and under evaluation products, Transportation Research Board and National Cooperative Highway Research Program reports, international sources, Strategic Highway Research Program reports, other State DOT correspondence, and manufacturers and vendors. The identified technologies and information systems will be researched to obtain users and technical information on their effectiveness.

1. Progress this quarter by task:

- No Progress this quarter

2. Proposed activities for next quarter by task:

- The final report will be completed to document the previous tasks reported in the working papers and the Rutgers University work.

3. List of deliverables provided in this quarter by task (product date)

NA

4. Progress on Implementation and Training Activities

NA

5. Problems/Proposed Solutions

The subcontractor, Rutgers University, has not completed their task, and the UTRC is waiting for permission from NJDOT to terminate the Rutgers Contract.

Total Project Budget	$72,294
Modified Contract Amount:	
Total Project Expenditure to date	$61,450.
% of Total Project Budget Expended	85%